



MISSOURI BOTANICAL GARDEN
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GEORGE ENGELMANN
BOTANICAL NOTEBOOKS

Pagination Note:

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Alphouse Wood
Liliaceae
of Oregon & California

Phil. Acad. Proc. 1868 p.
p. 165-174



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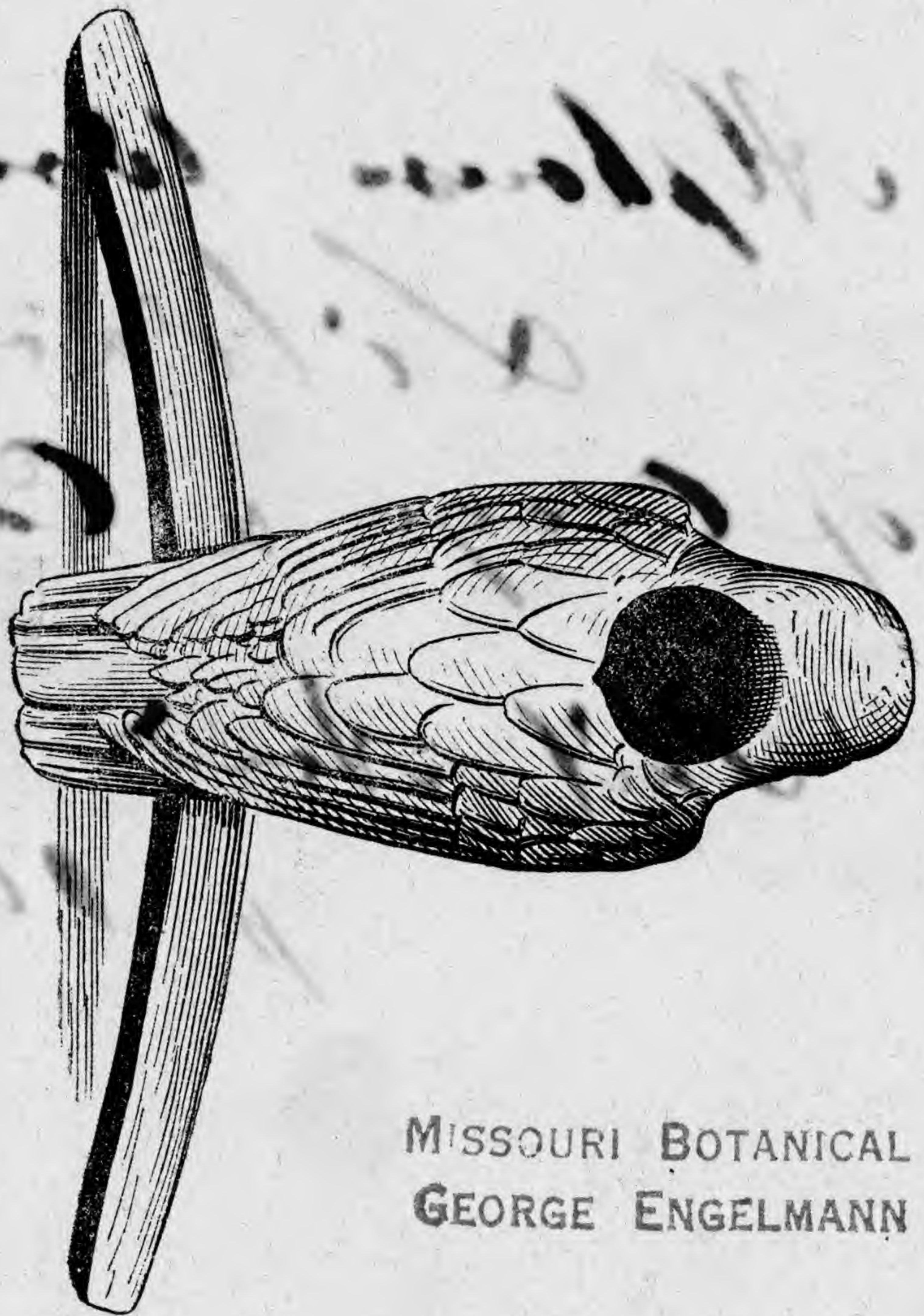
cm

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MISSOURI
BOTANICAL
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MISSOURI
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L. spicata. SPIKED BLAZING STAR.

L. squarrosa. COMMON BLAZING STAR.

LOTUS. BIRD'S FOOT TREFOIL.

A genus producing mostly yellow pea-shaped flowers, sometimes white and pink. The following species is a pretty little creeper, lying flat upon the ground.

L. corniculatus. PROSTRATE BIRD'S FOOT TREFOIL.

LYCHNIS. LYCHNIS.

A hardy and very handsome genus, with Pink-like flowers, nearly allied to the *Catch-fly's*.

L. Chalcedonica. SCARLET LYCHNIS. Brilliant scarlet.

var. alba. A form of the above with pure white flowers.

L. fimbriata. FRINGED LYCHNIS. Dwarf, rose color.

L. Flos Jovis. FLOWER OF JOVE. Deep red.

L. Flos cuculi plena alba. DOUBLE WHITE RAGGED ROBIN.

LYTHRUM. LOOSESTRIFE.

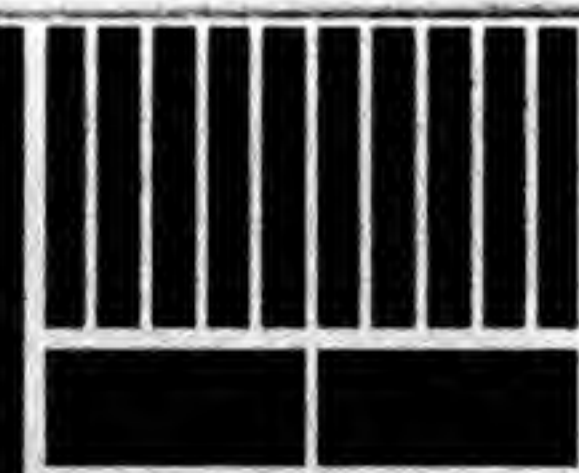
Tall, slender plants, with mostly purplish flowers in long spikes. Blooms in mid-summer, and always showy and entirely hardy.

L. Salicaria. SPIKED LOOSESTRIFE. Large, purple.

L. roseum superbum. ROSE COLORED LOOSESTRIFE.

Millim

9-13



0 1 2 3 4 5 6 7 8 9 10

cm

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P. procumbens. CREEPING PACHYSANDRA.

PŒONIA. PEONY.

7616
No class of plants surpasses this genus in the gorgeous coloring, or size of its flowers. The recent introductions are remarkable for beauty. The herbaceous varieties have been so hybridized, that it is difficult to determine their true botanical origin; we therefore arrange them alphabetically.

amabilis. Pink, shaded with white and cream color.

elegans. White, with fine yellow centre.

elegans superbissima. Deep rose, very double and fine.

festiva. Pale lilac, very full and showy.

formosa. White, centre beautifully fringed, cream color.

lilacena elegans. Pale lilac, very double and perfect.

lilacena superba. Bright rose, inner petals fringed.

Louis Van Houtte. Deep red, distinct, and showy.

nivalis. White, with red blotches. Beautiful.

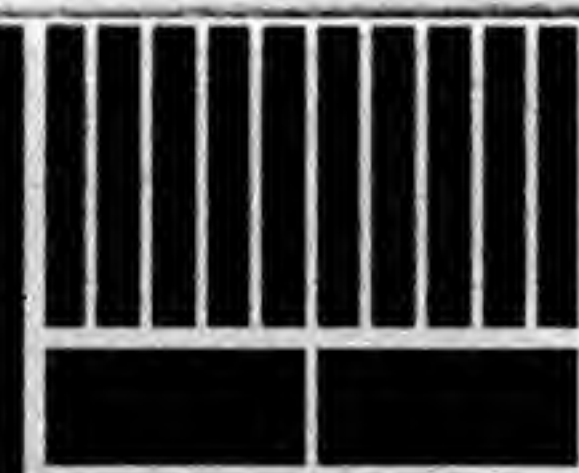
plenissima rosea superba. Rose, cream, and white.

pulcherrima alba. Rose, fawn colored centre.

rosea striata pulchra. Light rose, and white.

rubicunda alba marginata. Pink, prettily shaded.

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cm

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Allium stellatum

Octob 14 1863

from Kimmisworth
Jeffers Co



section of lower and upper
part of same scape x10



sect. of very large
young leaf x10



Section of lowest, middle and upper part
of ordinary leaf x10

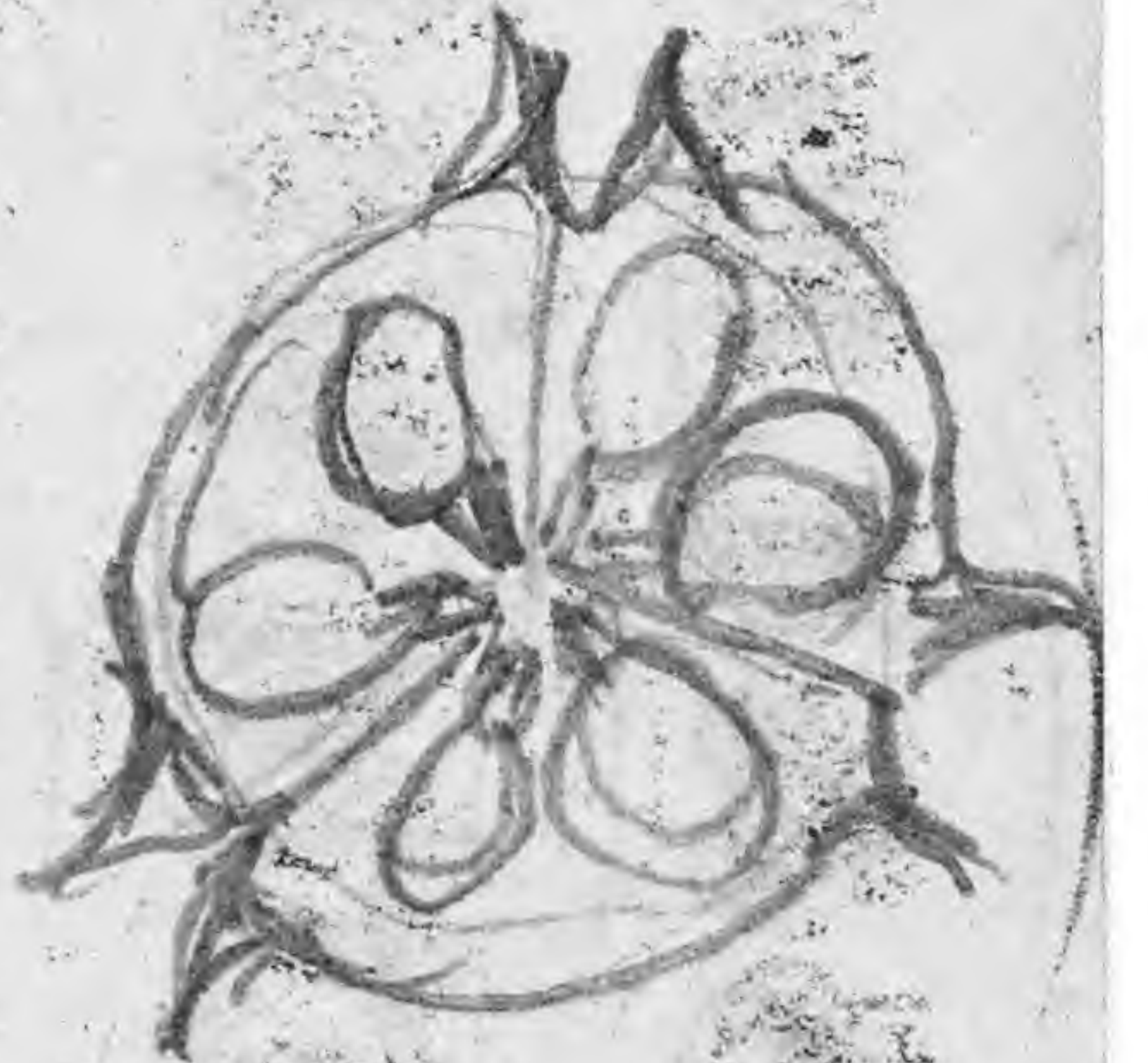


bud x4

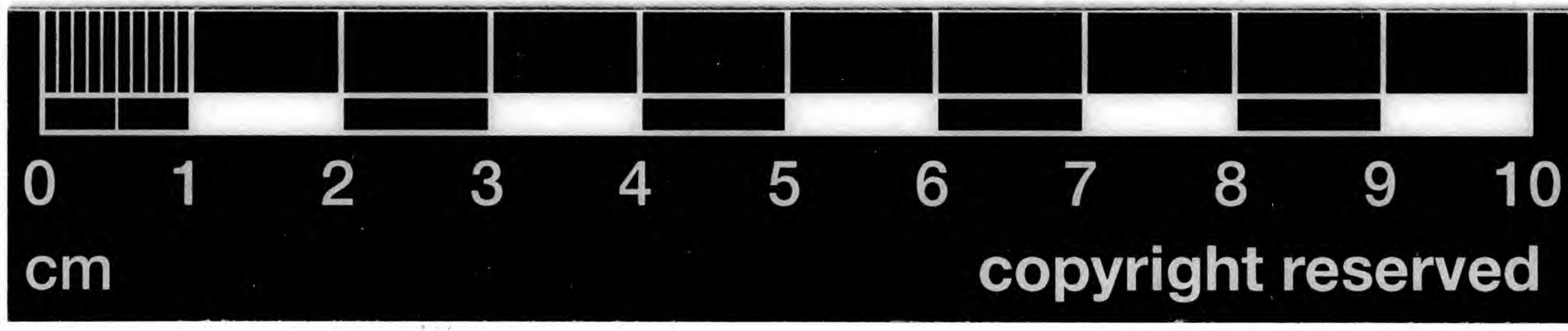
ovule
of the bud

x30

anatropous from the inner basal pleura



Carpels
opposite
inner stamens
and outer sepals



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cm

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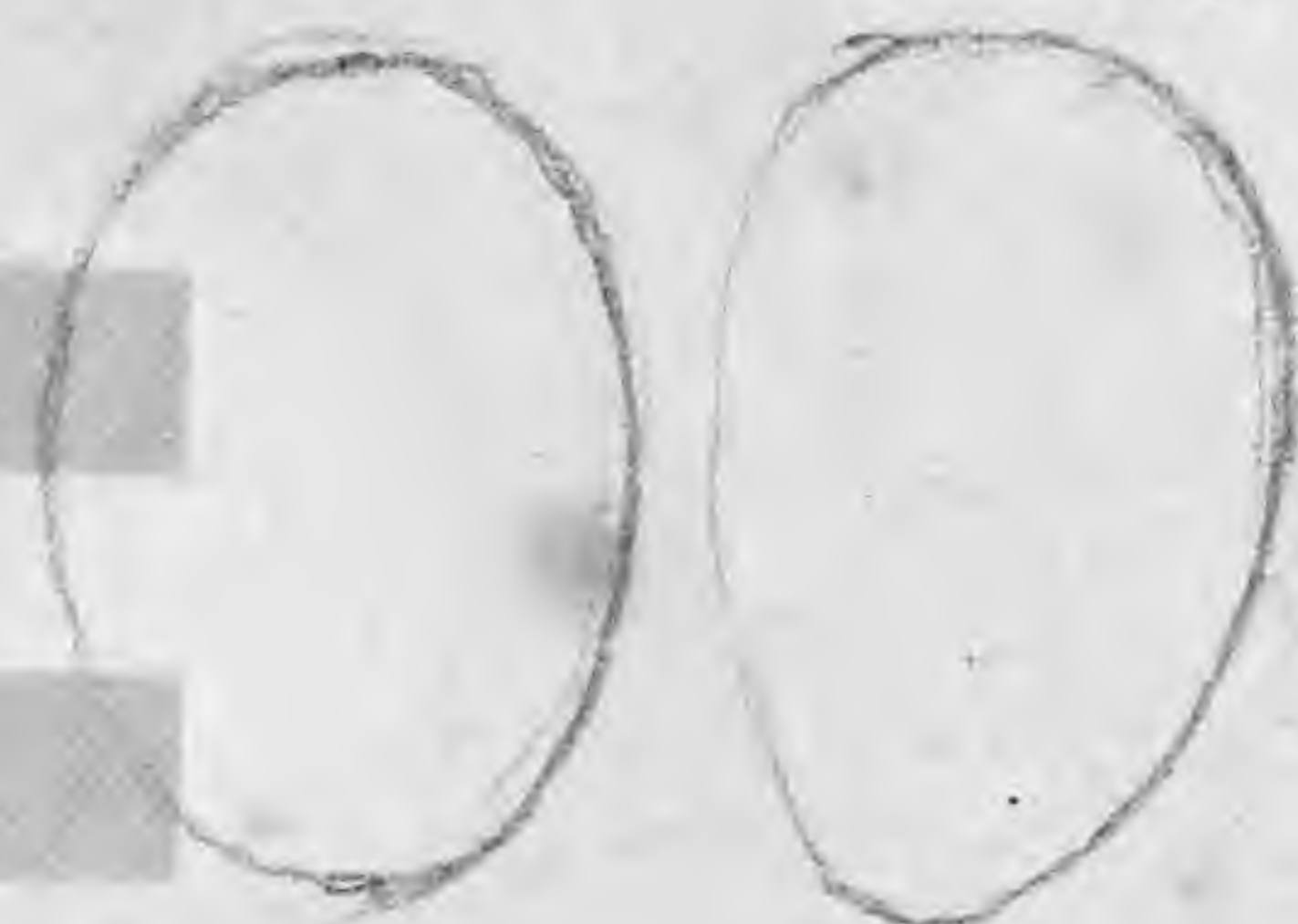
Pollen X415 obliquely oval
0.019-0.021

Allium stellatum

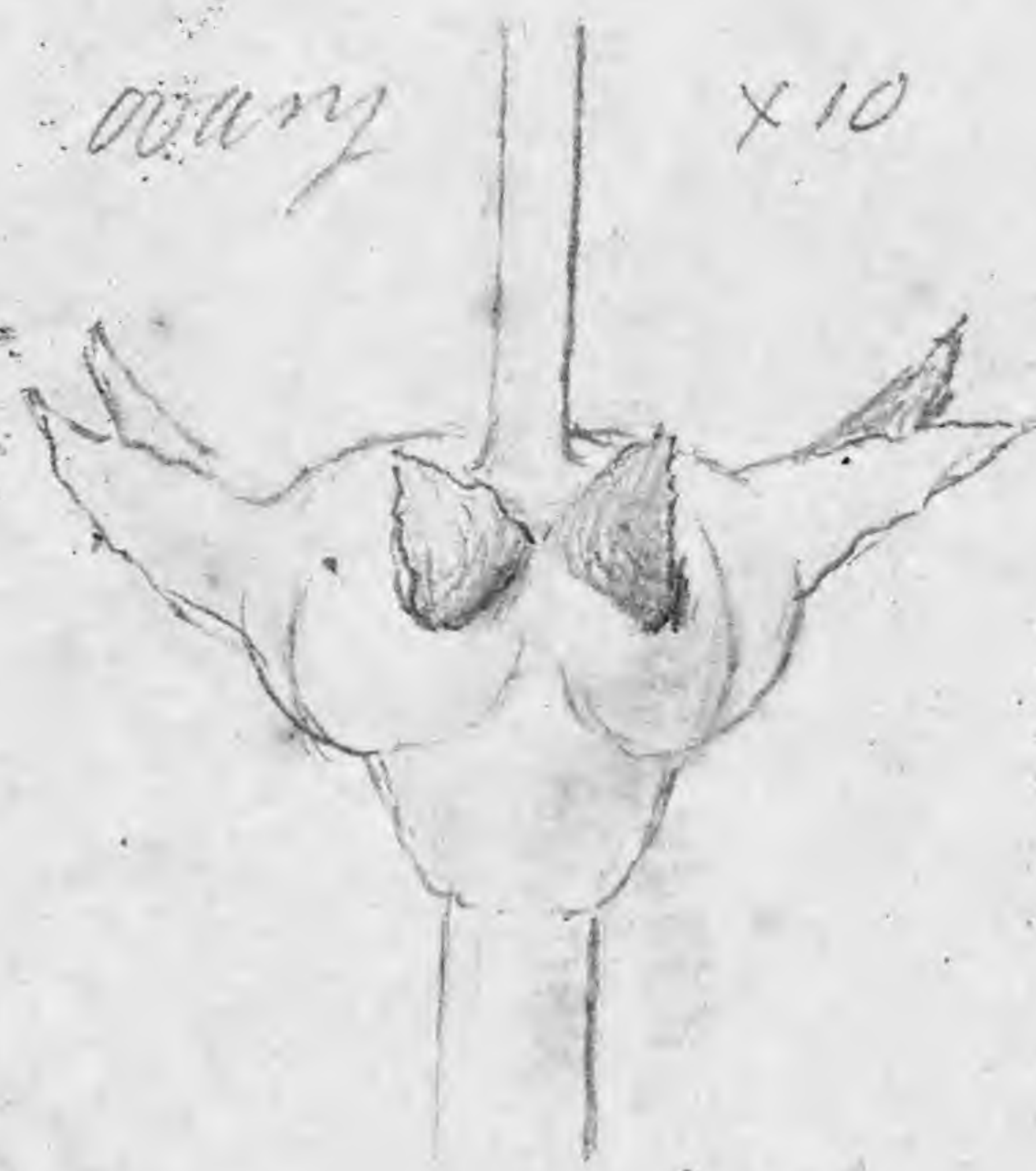
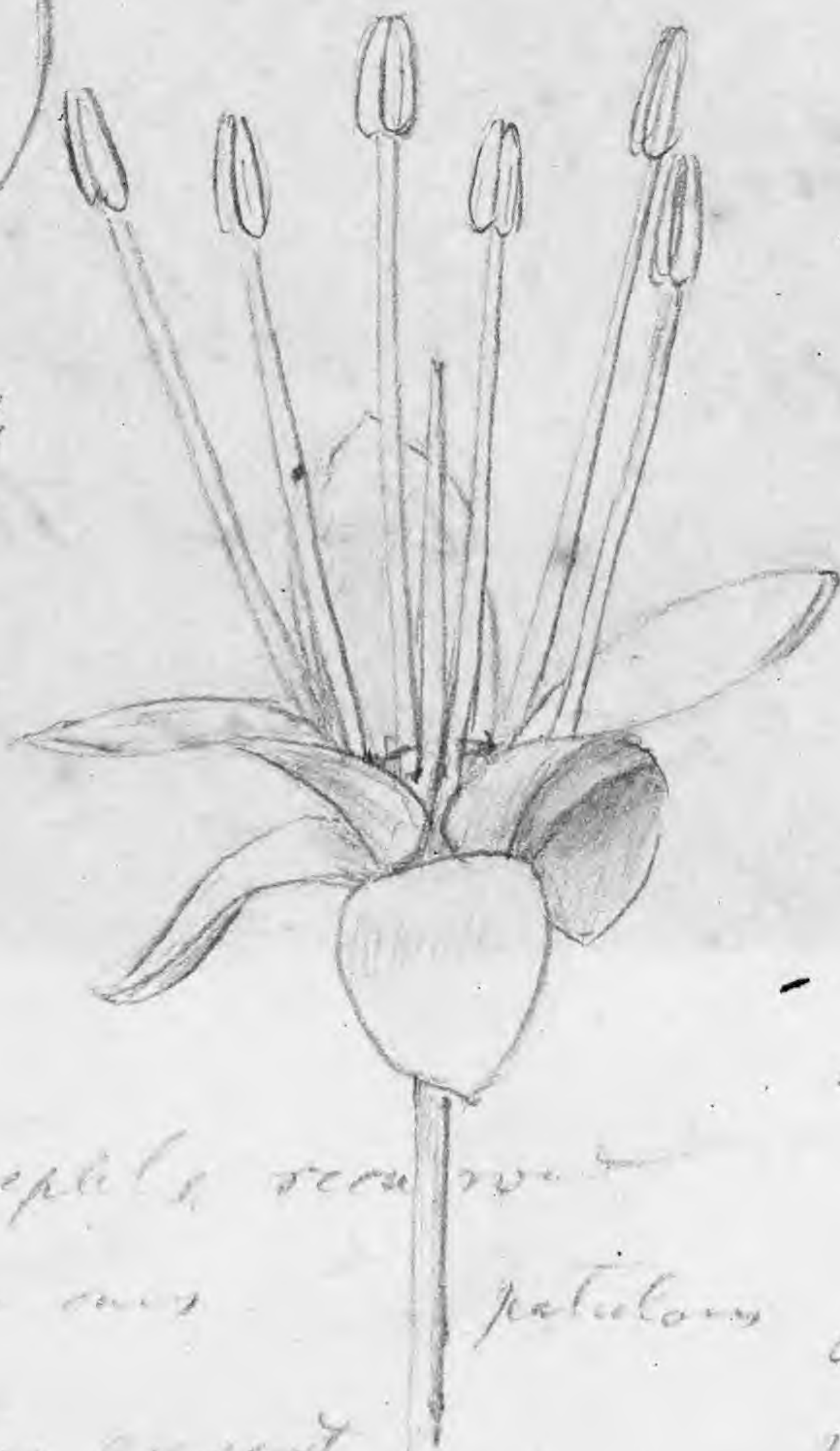
Oct 13 1863

Rocky bluffs of Mississippi, Jefferson County Mo

Oct 17 1863



over x4



side by side

each cell 2 seeds

off only one



capsule x4

ext. sepals recurved
interior ones
patulous
stems long exsert
mark longer the style

a a stamens, with
wider base
opposite inner sepals
b b stamens with
narrow base
opp. outer sepals

purple
pairs of lobes
green
of ovary opp
the inner sepals
and including
the inner stamens
in their groove

ovules 6 attached to basal placenta, anatropous



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Allium stellatum

Hook Fl. Bor Am. II. t. 194
his stamens scarcely longer than petals
petals acute not obtusish as
in my plant.

stamens equal to base!!

Crests of ovary erect not
spreading as here

Still the same - incorrect drawing!!

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0
cm

1

2

3

4

5

6

7

8

9

10

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June 15 1865

Allium reticulatum

June 15

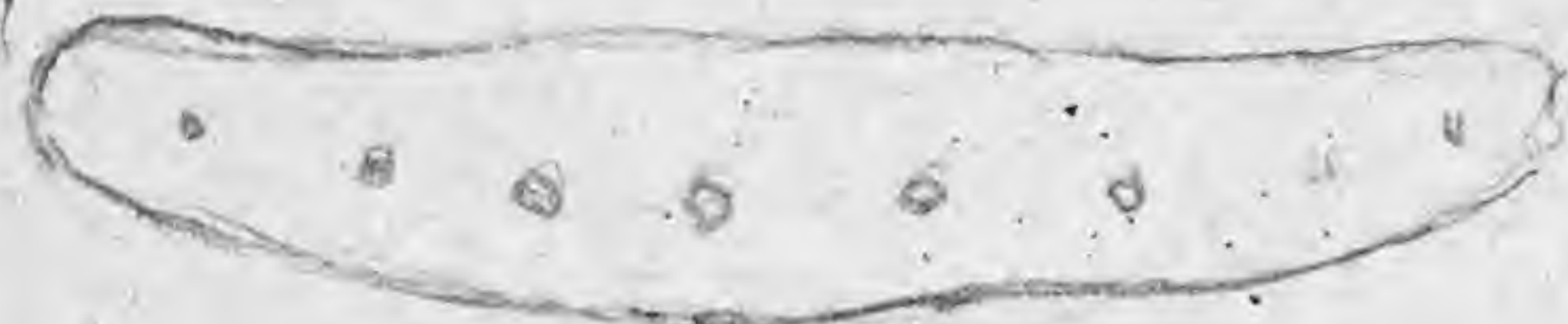
Section of leaf x10

bulb ex Cass Co. Mo, cult by me

upper



middle



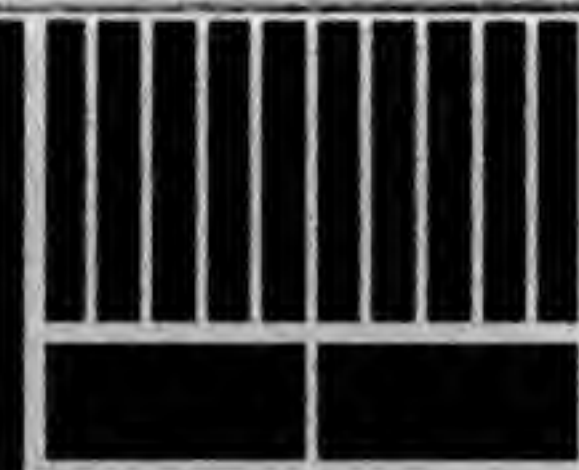
lower



part of leaf

June 7 1866

leaf cut x10



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cm

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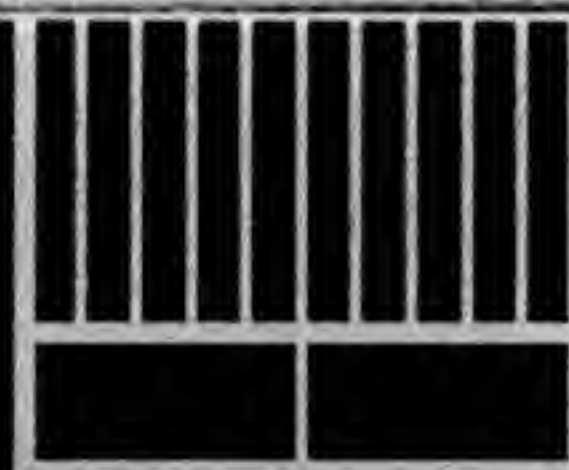
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cm

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Allium stellatum

June 15 1865

ex bulb. Jefferson Co. Mo., Kansasville

cult. St. Louis

Sect of leaf x 10.



sect near base



middle part of leaf

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MISSOURI BOTANICAL GARDEN
HERBARIUM



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cm

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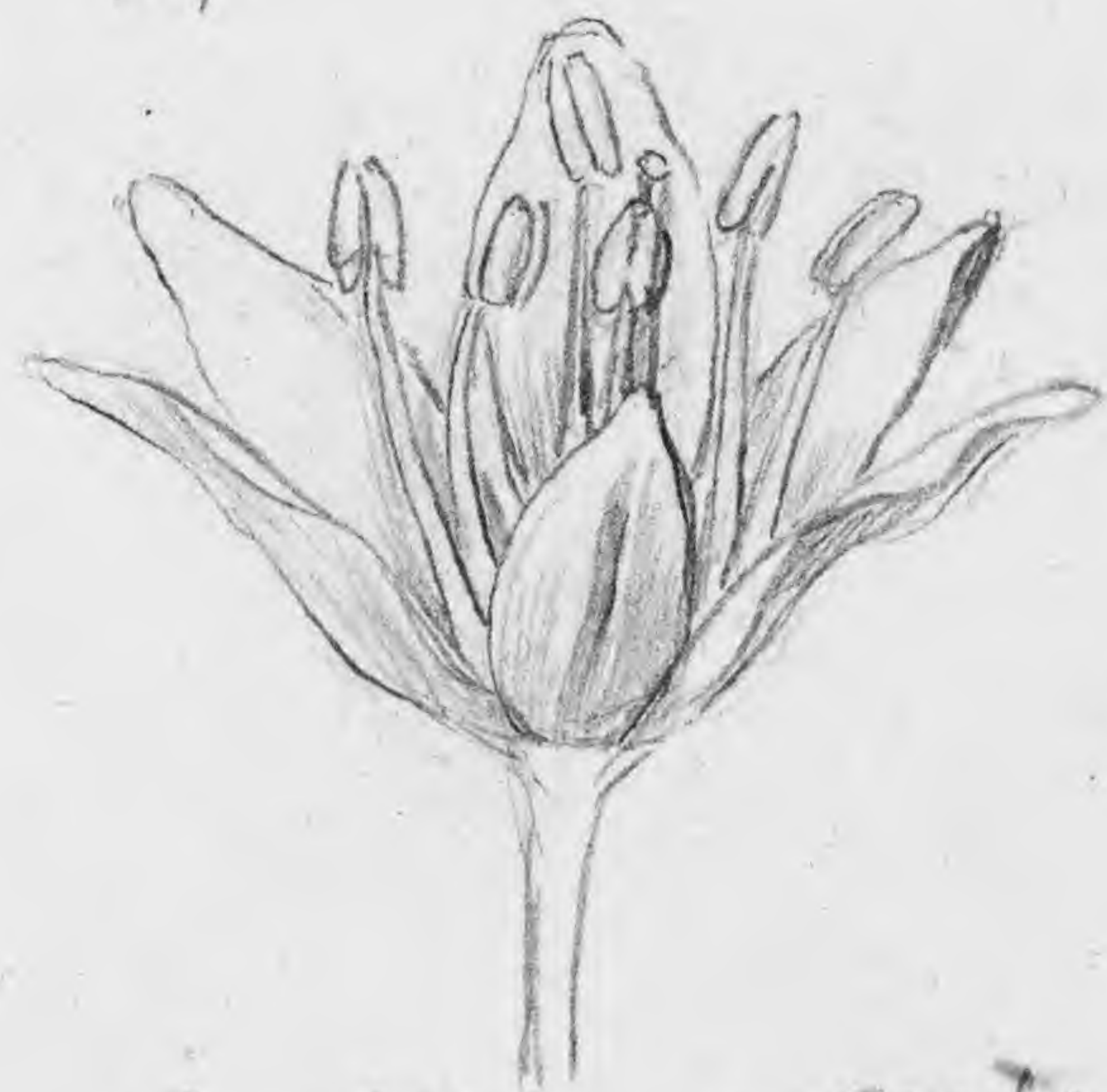
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Allium reticulatum

June 7 1866

Cass Co 1100; Oullh, Illinois

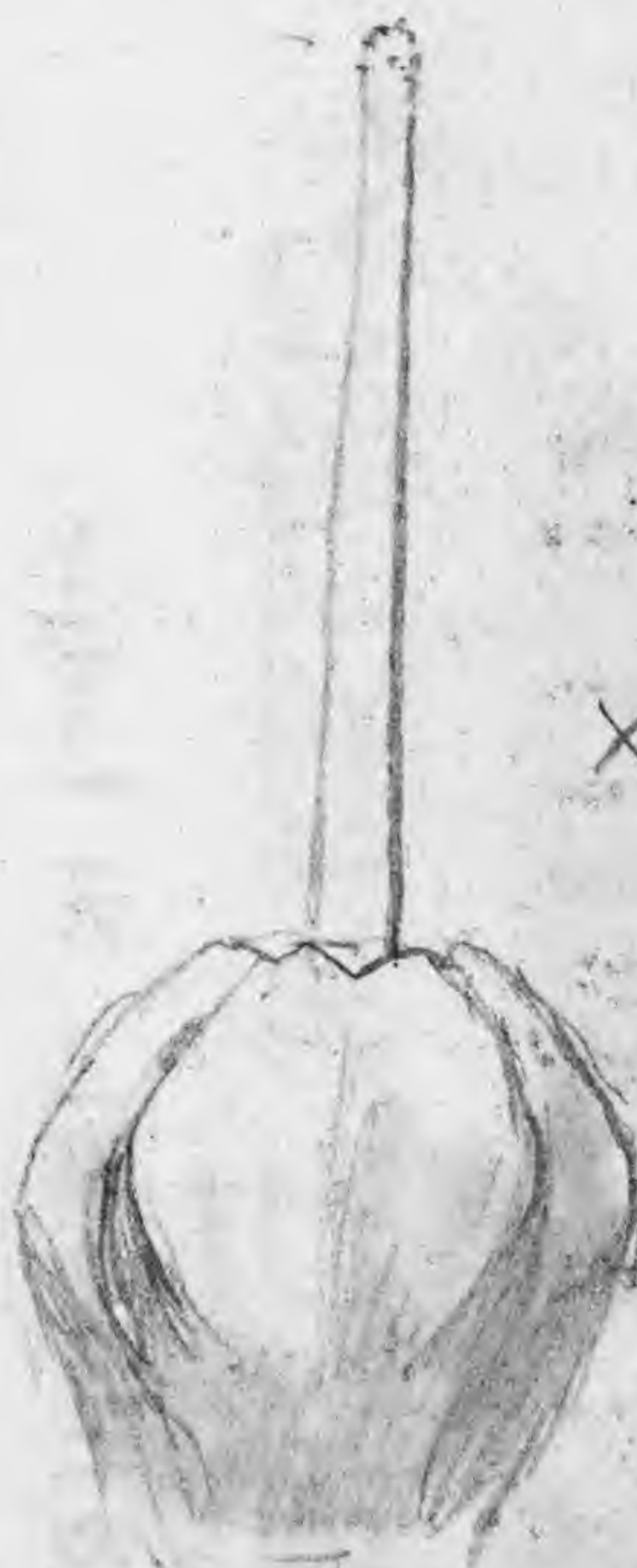
x4



Bud x4



Bud x4



x10

Albi seu palli. Dissiane

rossi

Sepals semipetulous equal,
exterius acutius, interior obtuse
stamina e basi lata subulatis
aequalibus, sepala pistillorum
aequalibus, ovario inappendicato



sect



0 1 2 3 4 5 6 7 8 9 10

cm

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Alex. Leitch,
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cm

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Allium cernuum

July 7 1866

Rocky Mts

S. Hall coll & m's via

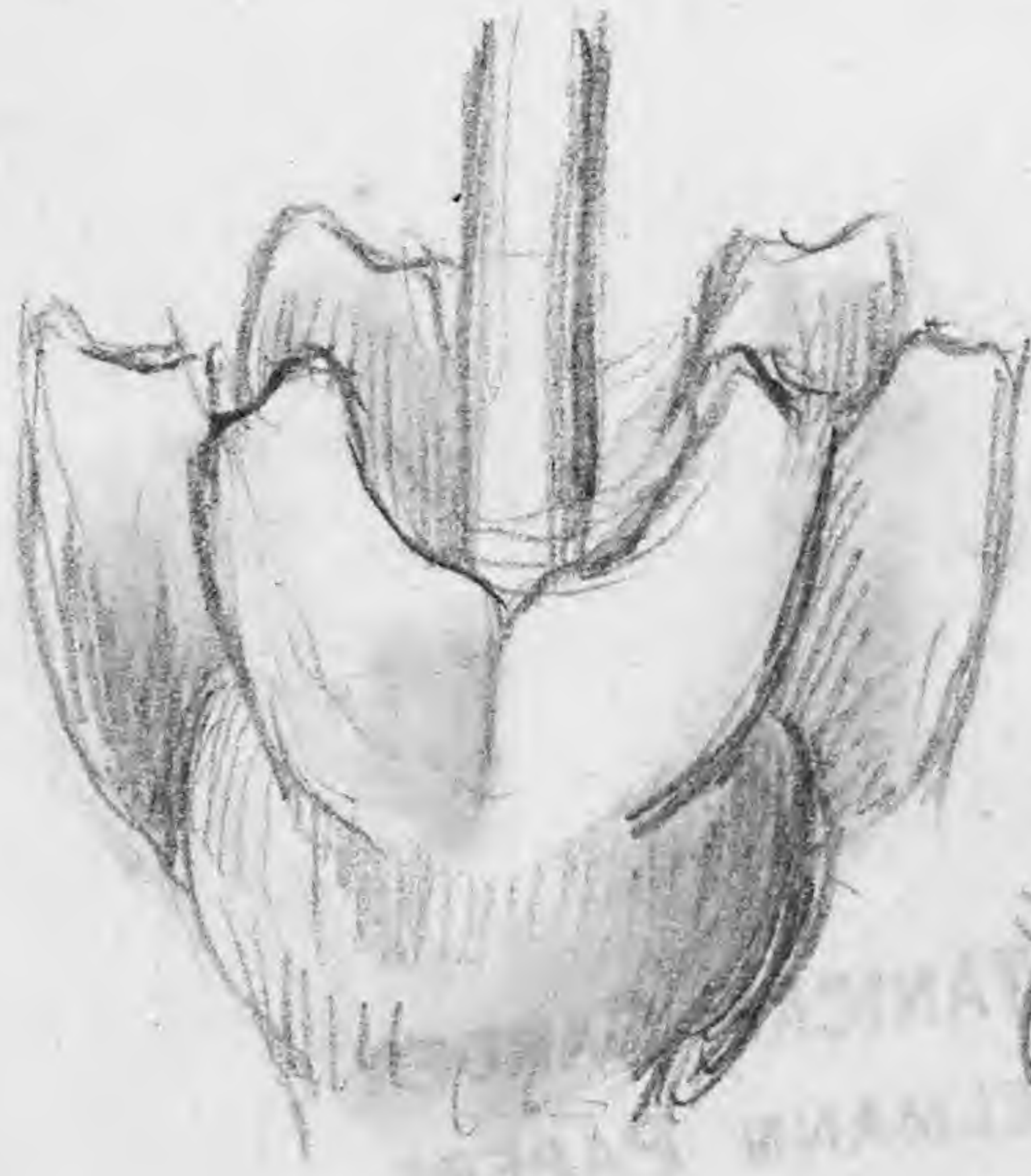
curvature of scape over
the sharp edge!



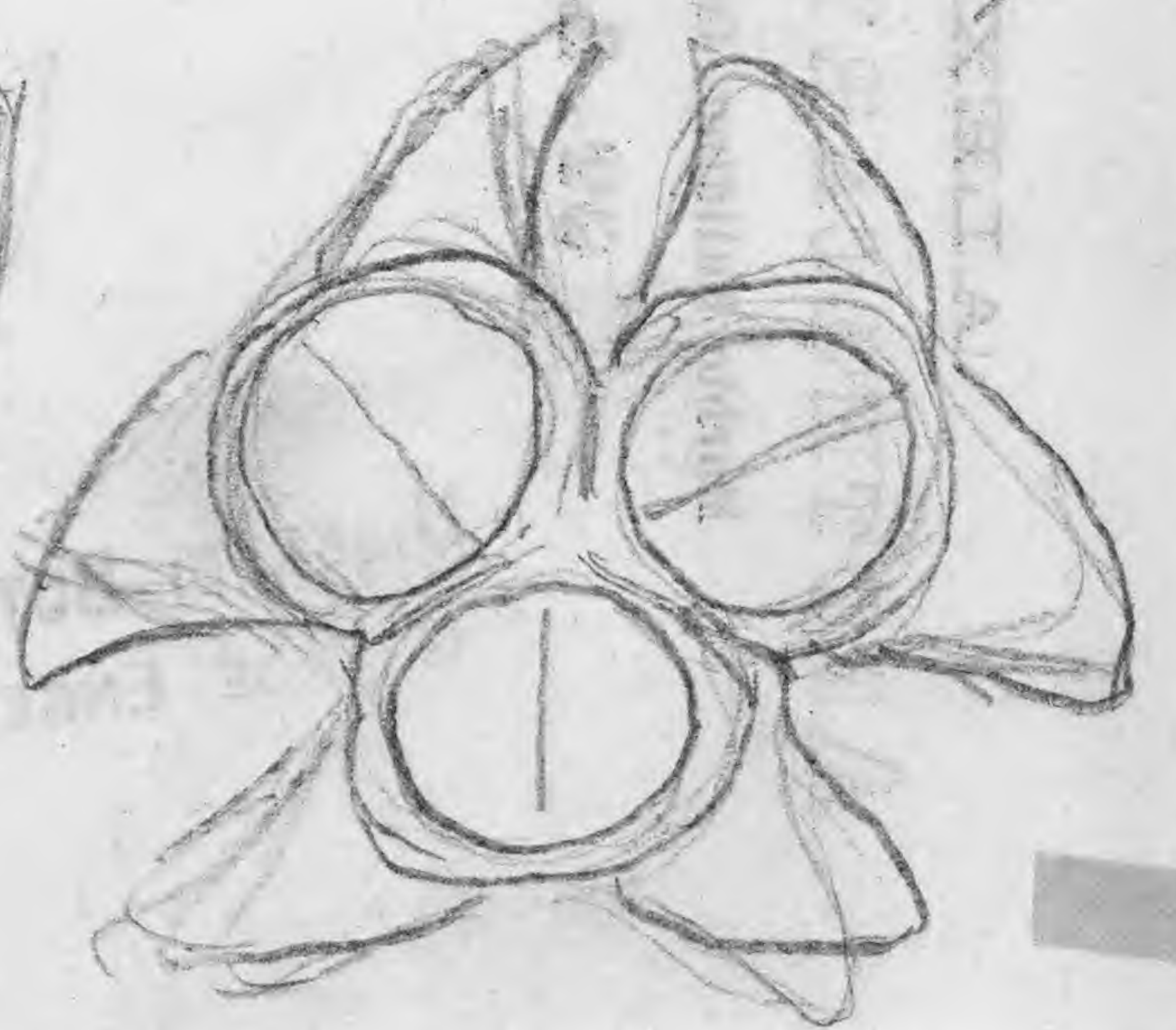
upper
section of scape x 10



lower



wing x 10



cut of
ovary



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cm

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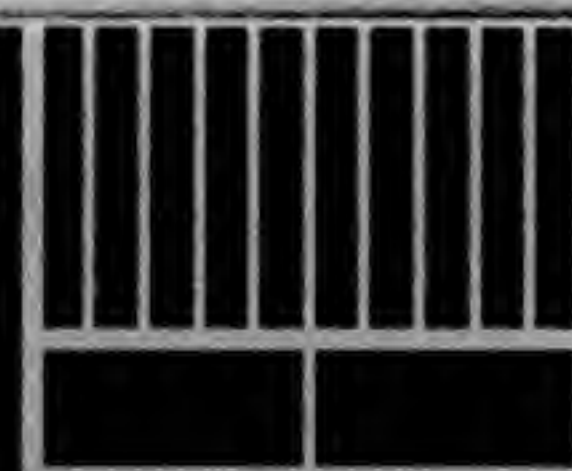
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Allium acuminatum

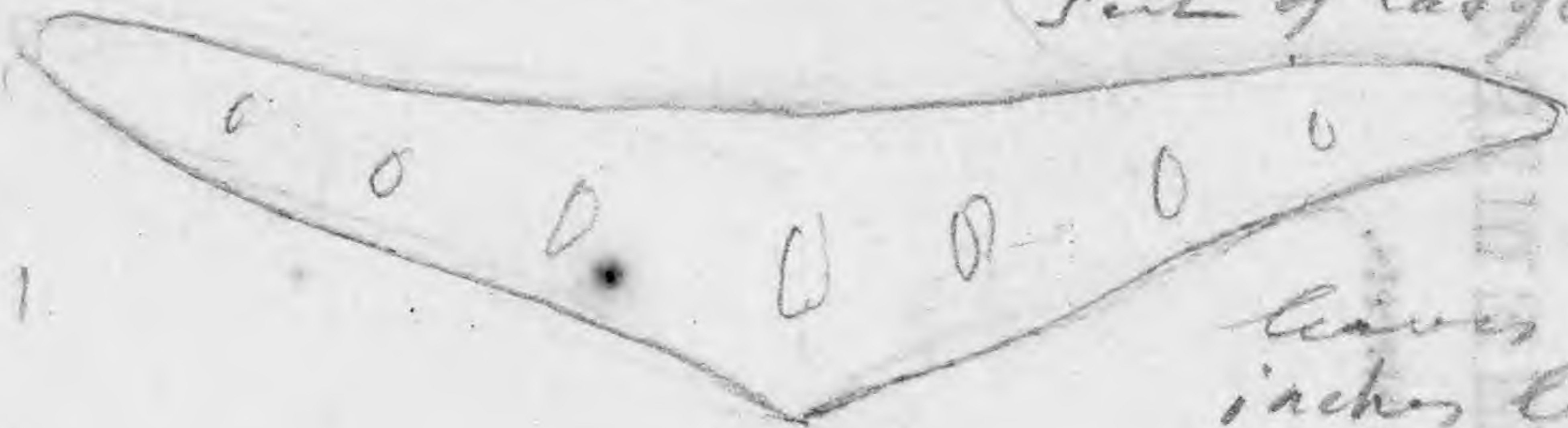
July 7 1866

Rocky Mountains, coll. by E. Hall

sent living
sect of leaf x10

sent of largest leaf

upper



leaves 12-14
inches long

2 1/2 - 3 1/2 li.
wide

middle



Section
of
lower

lowest

upper



upper

part
of stem

x10



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cm

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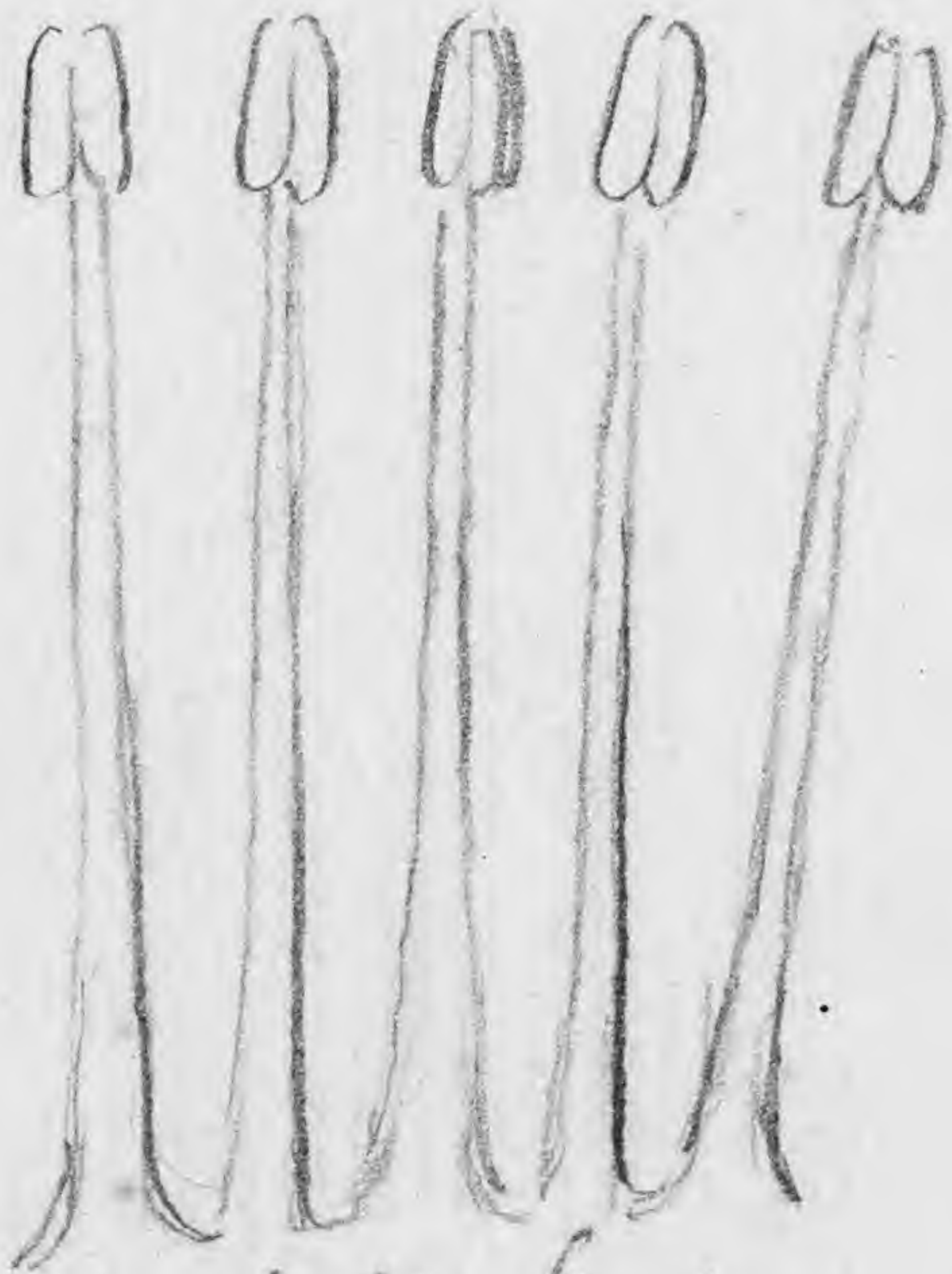
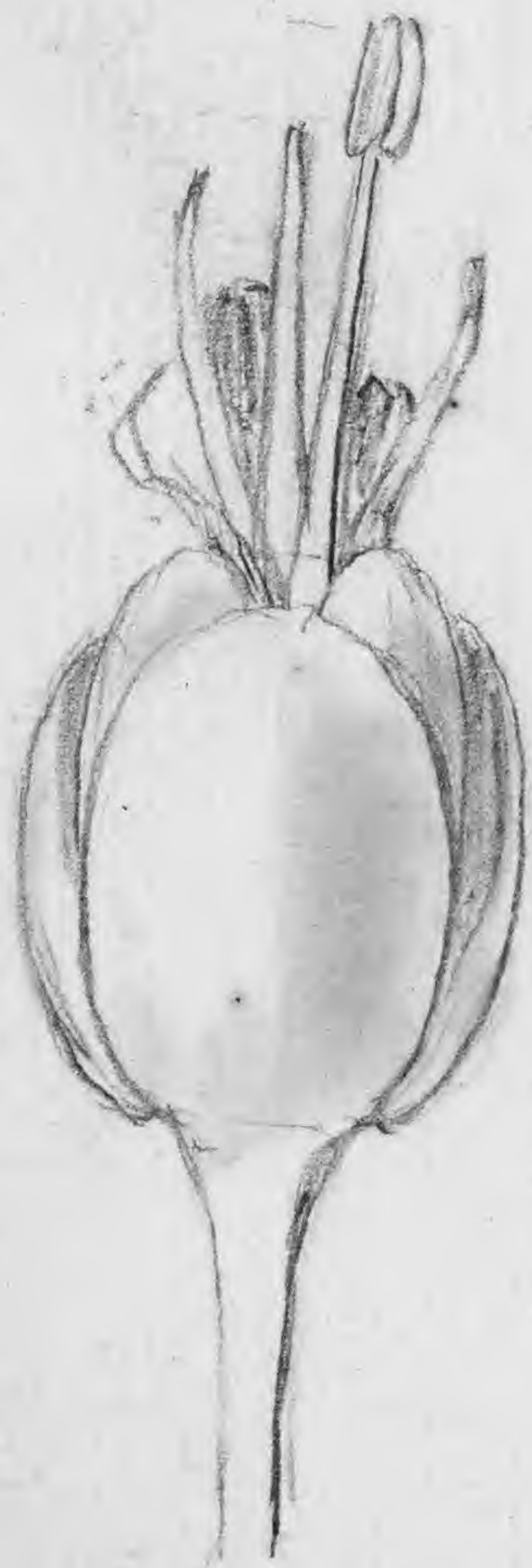
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Allium cernuum

July 8 1866

Rocky Mts E. Hall coll Athens Ill. mis vis

x4



a b a b a

a inner with broader
b outer stamens with
narrower base

petals erect orbicular-ovate
exterior a little shorter
flower globose

stamens exsert, gradually developing,
one or few at a time - anthers soon
falling off and filaments shrinking

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cm

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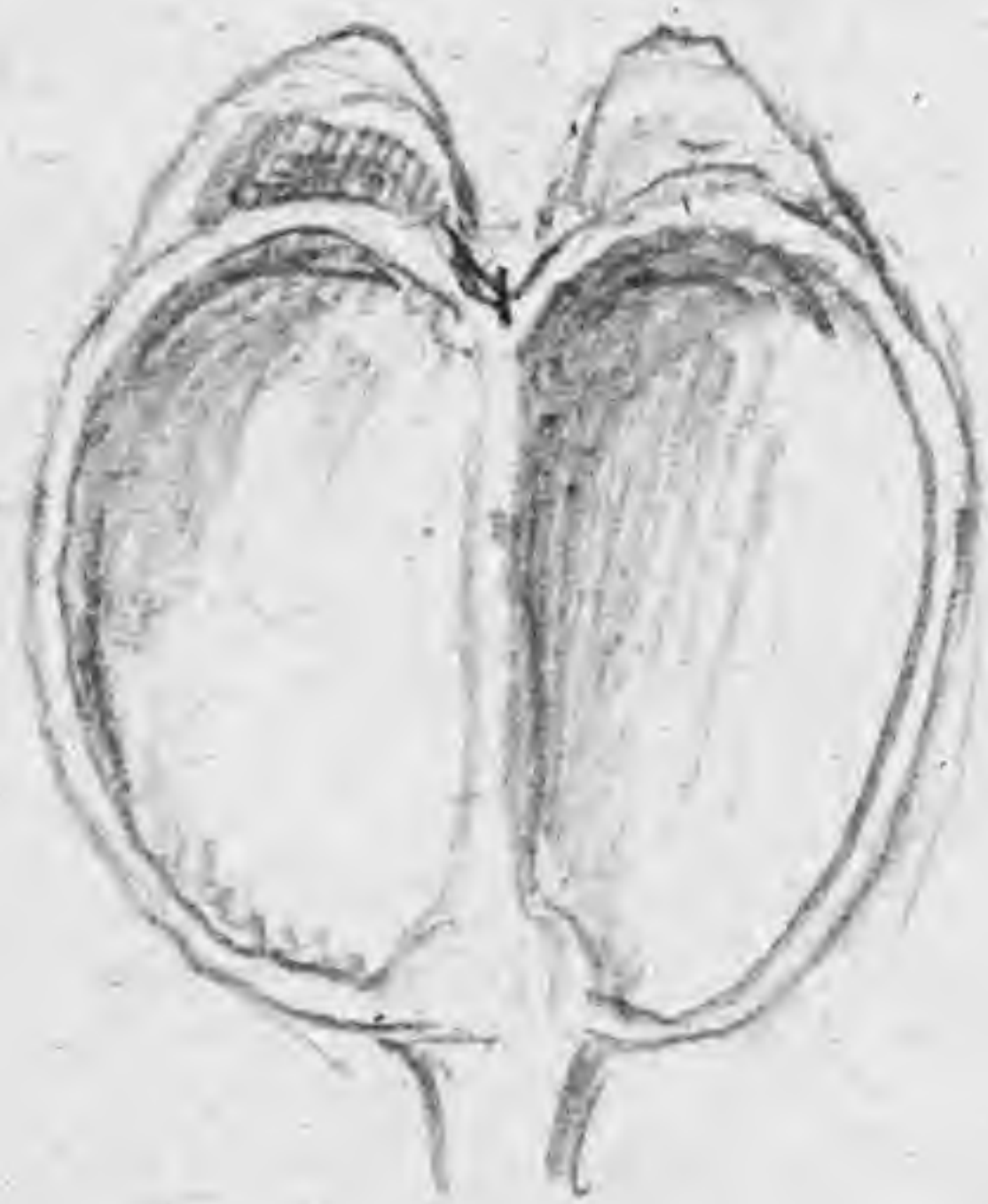


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Allium cernuum

Nov 24 1865

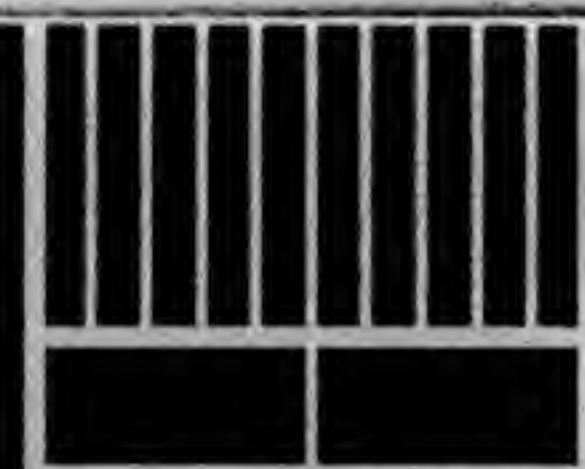
S. Hill cult



inside of
valve



"



0 1 2 3 4 5 6 7 8 9 10

cm

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Shasta 23 Aug 1880
Allium in meadow Camp; long, tuberos bulb

ancepital stem



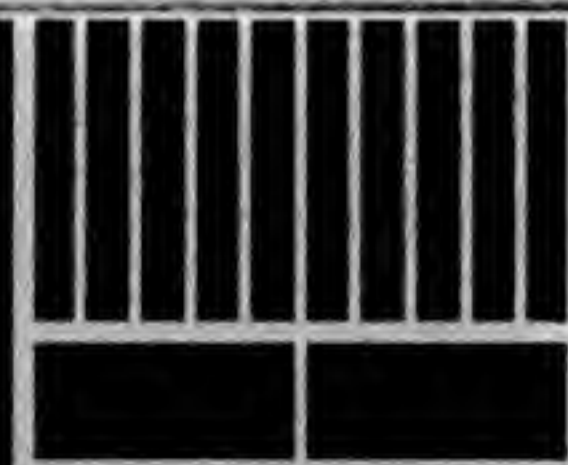
leaves flat, ciliate



hull with large membranous 2 lobed

spathe; corolla pale rose, lobes lance-ovate

stamens equal 7 fillets from broad base longer
stamens cordate, capsule elliptical, not angled



0 1 2 3 4 5 6 7 8 9 10

cm

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Mo 30 Gent. calyc. pubescent corolla
spring-like, ante lobis, ante lapi
fide, antea, obliqua

GARDEN
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0 1 2 3 4 5 6 7 8 9 10

cm

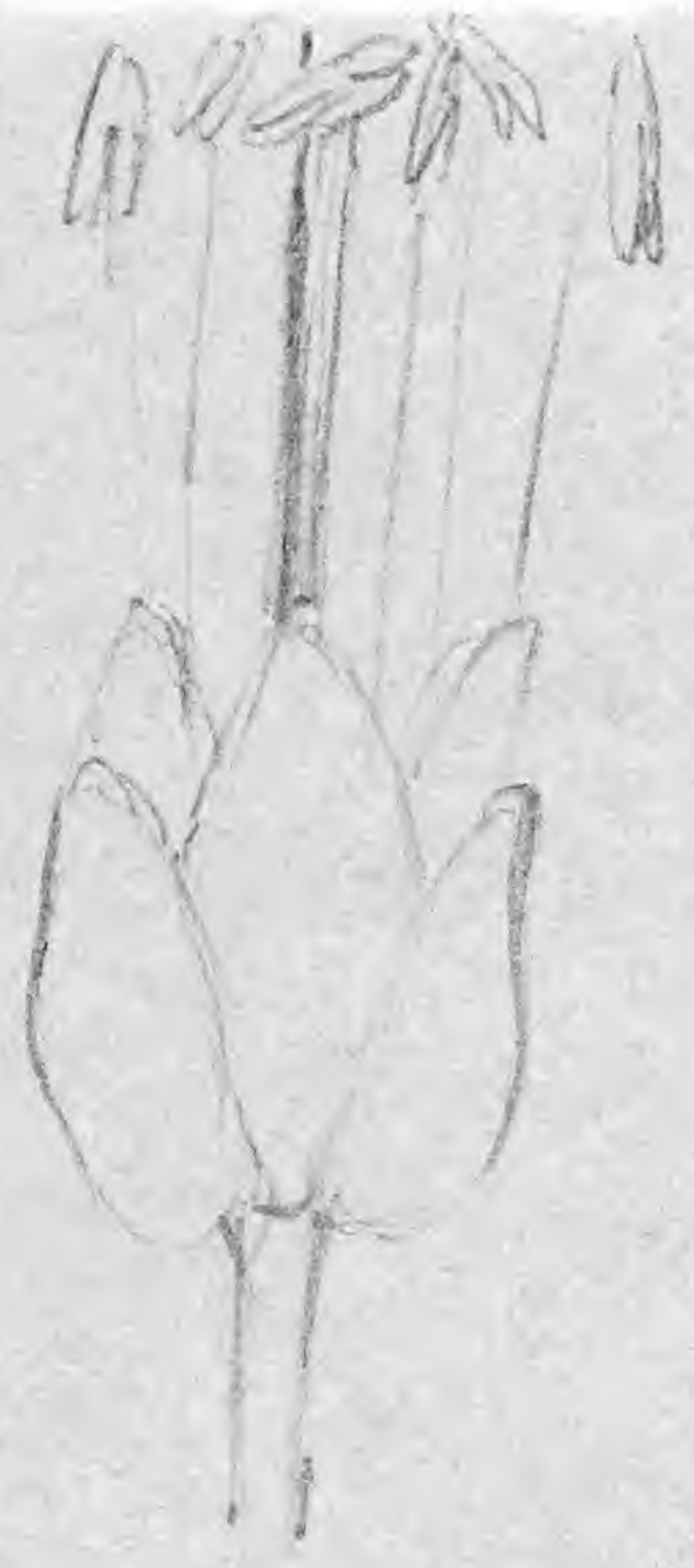
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Chiavenna Sept 19 1858

Allium



x 3



bulbs respited
from a liqu
eous corm

x 4

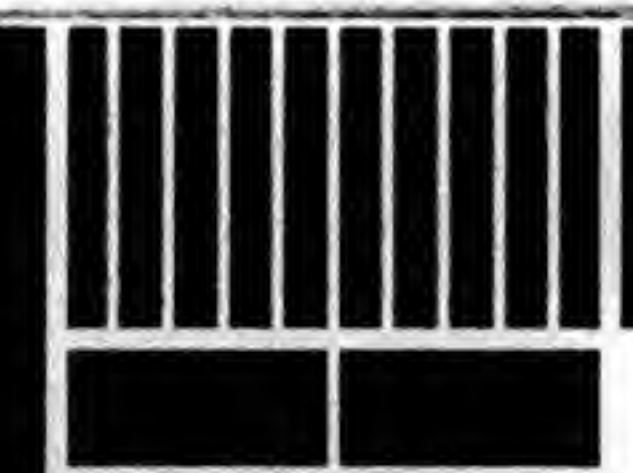


sect of leaf



sect of scape

x 4



0 1 2 3 4 5 6 7 8 9 10

cm

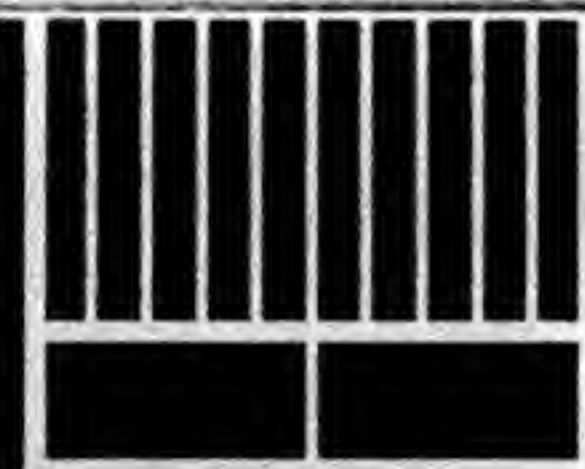
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0 1 2 3 4 5 6 7 8 9 10

cm

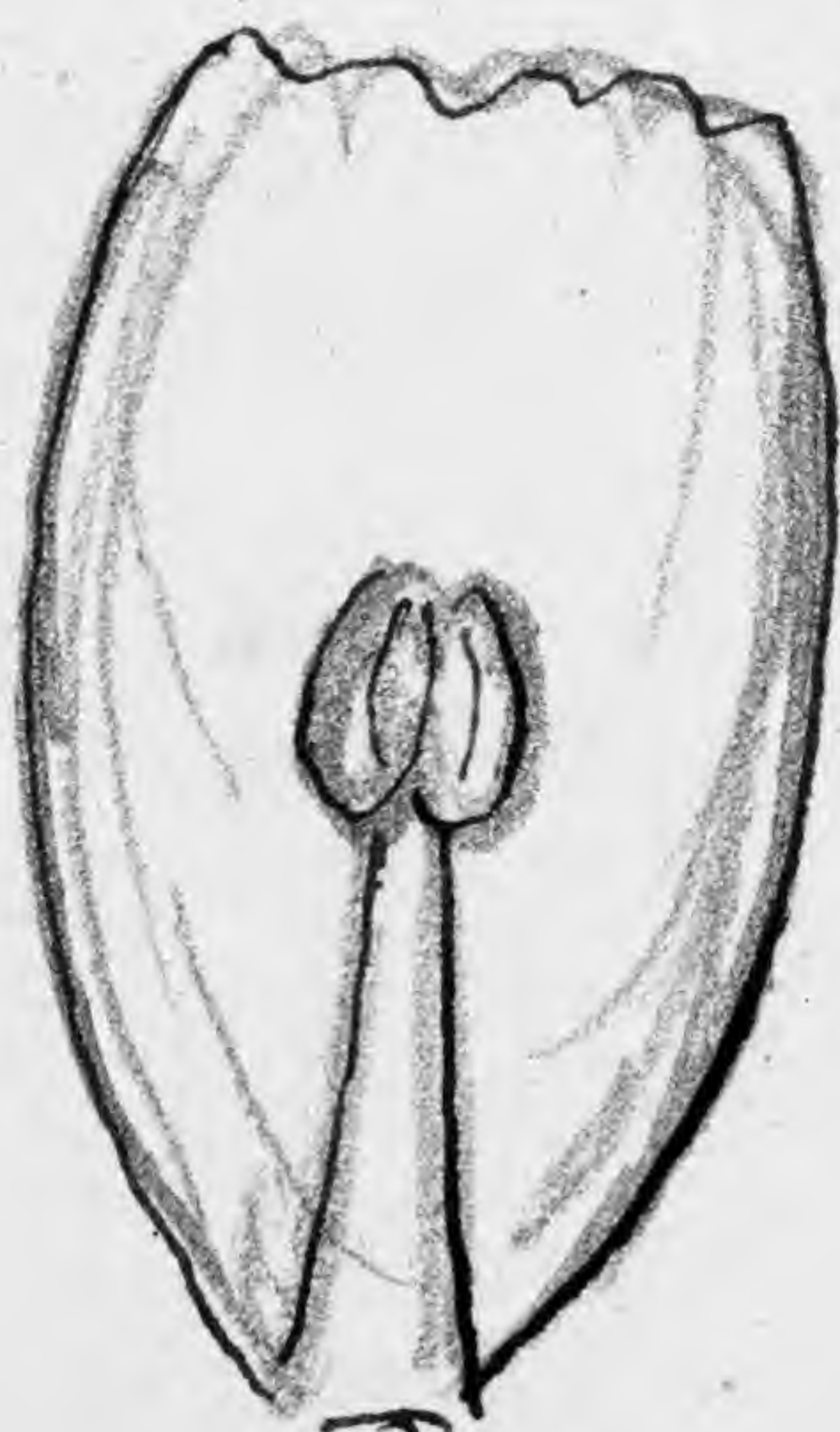
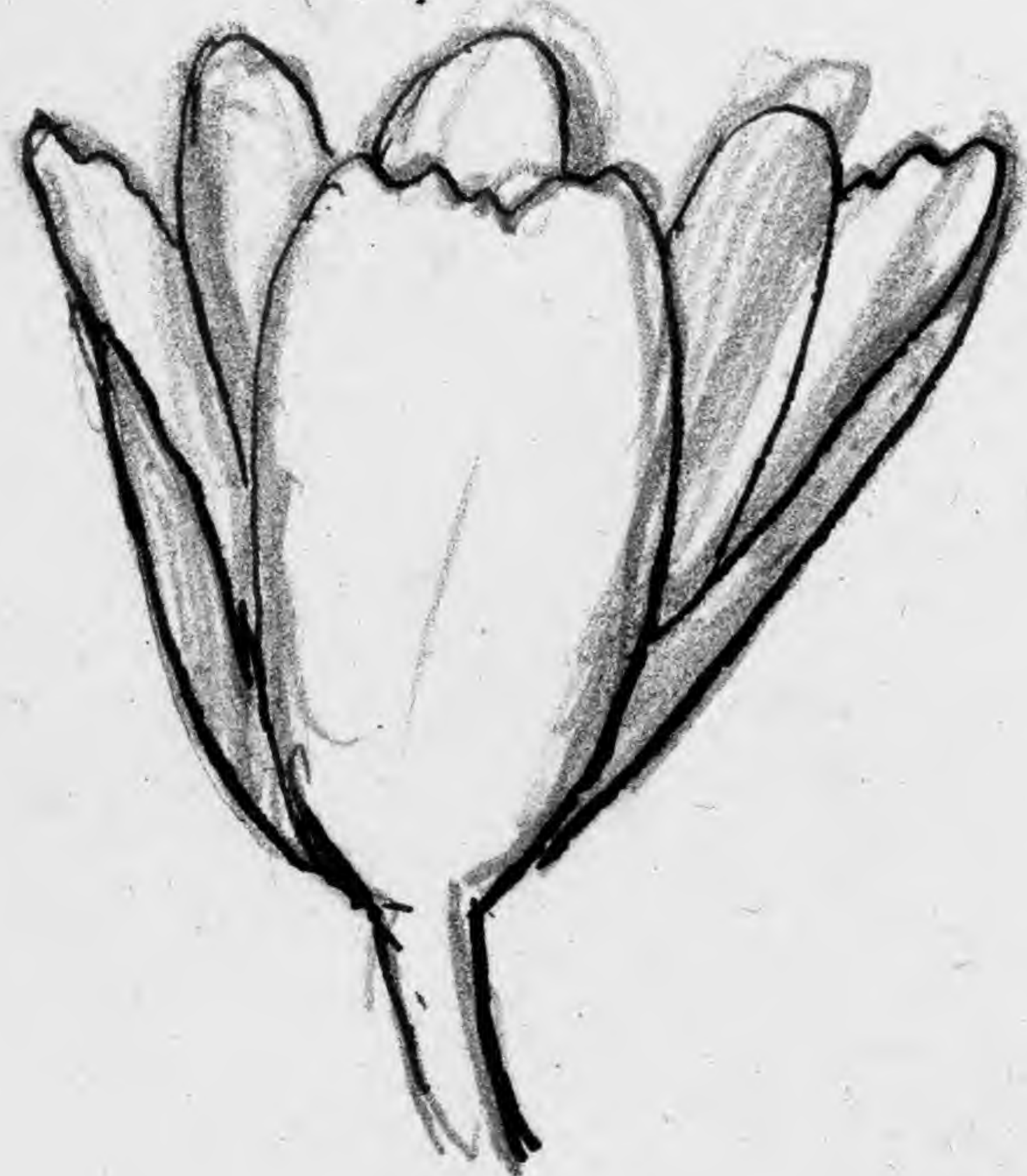
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Allium roseum

petal ex petal intern
ext. intern



ovary & styl



scap

foli



scap



2 petals

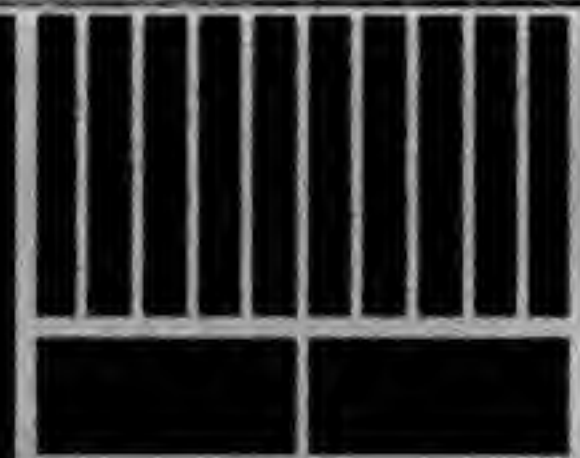
Allium
Mola di Gatta near the sea coast
under shrubs March 29 1858

scap

flor. rosea magna, filam. basi adhaer. subulatis

foliis planis leviter serratis

bulla prolifera spathe ovat. acut. umbell
bulbifer



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cm

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Handwritten notes, possibly "Stem" and "Sepals"

Stem



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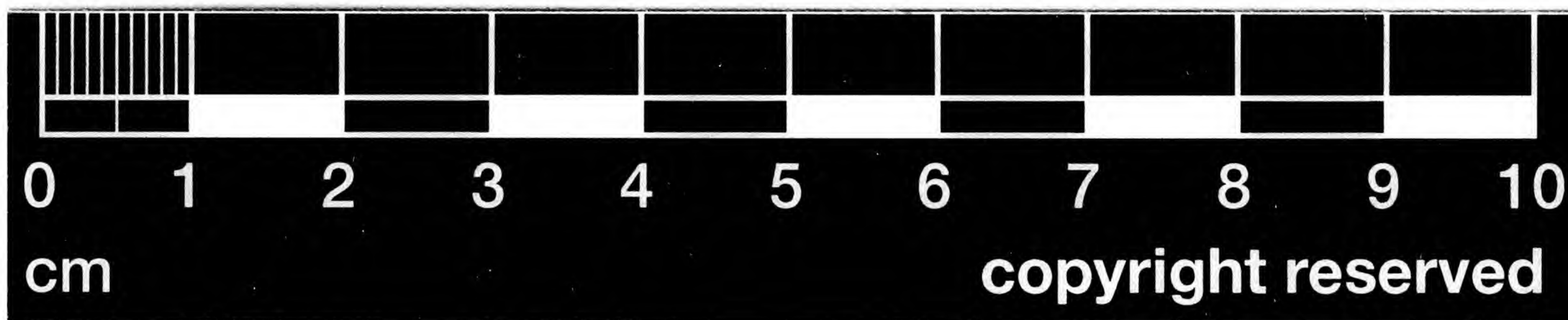
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stellatum?

Allium ~~cernuum~~

bulbo elongato conico, albo-tunicato; foliis infra carinatis
 supra concavis; vagina laterali, compressa, anapiti
 angulo altero acuto, altero obtusiusculo; involucri
 scarioso; perigonii laciniis roseis ovatis, obtusius-
 cusculis; 3o exterioribus patentibus, reflexis
 3 interioribus ^{subdenticulatis} erectis usculis, staminibus filiformibus
 perigoni- ^{ovario} superantibus; capsulae squamis ^{crenulatis}
^{coronato} per. parvis approximatis, lobis perigoni interioribus
 oppositis; capsula

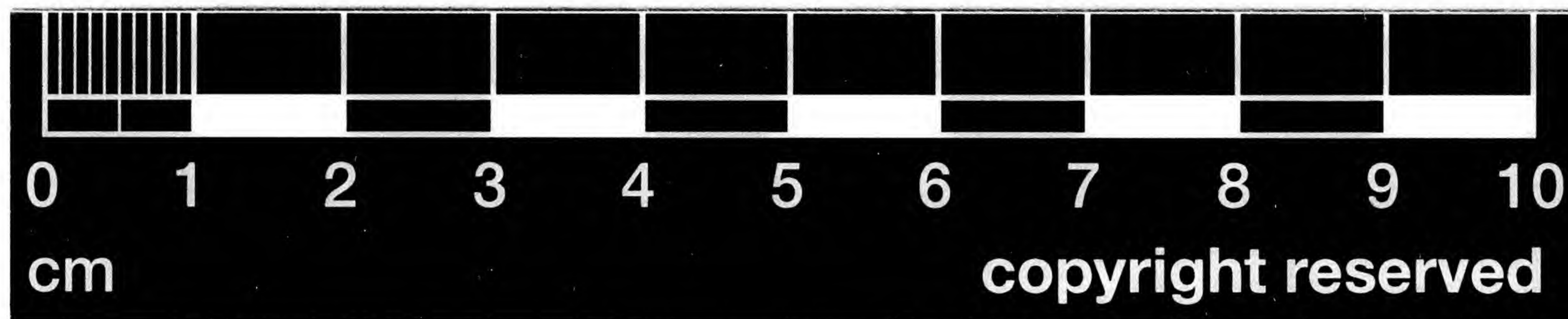
fl. Aug & Sept. Brink of Sandstone rocks near Prairie
 Du Rocher 1845 & coll 1846 - Herb. Angl. Bot.



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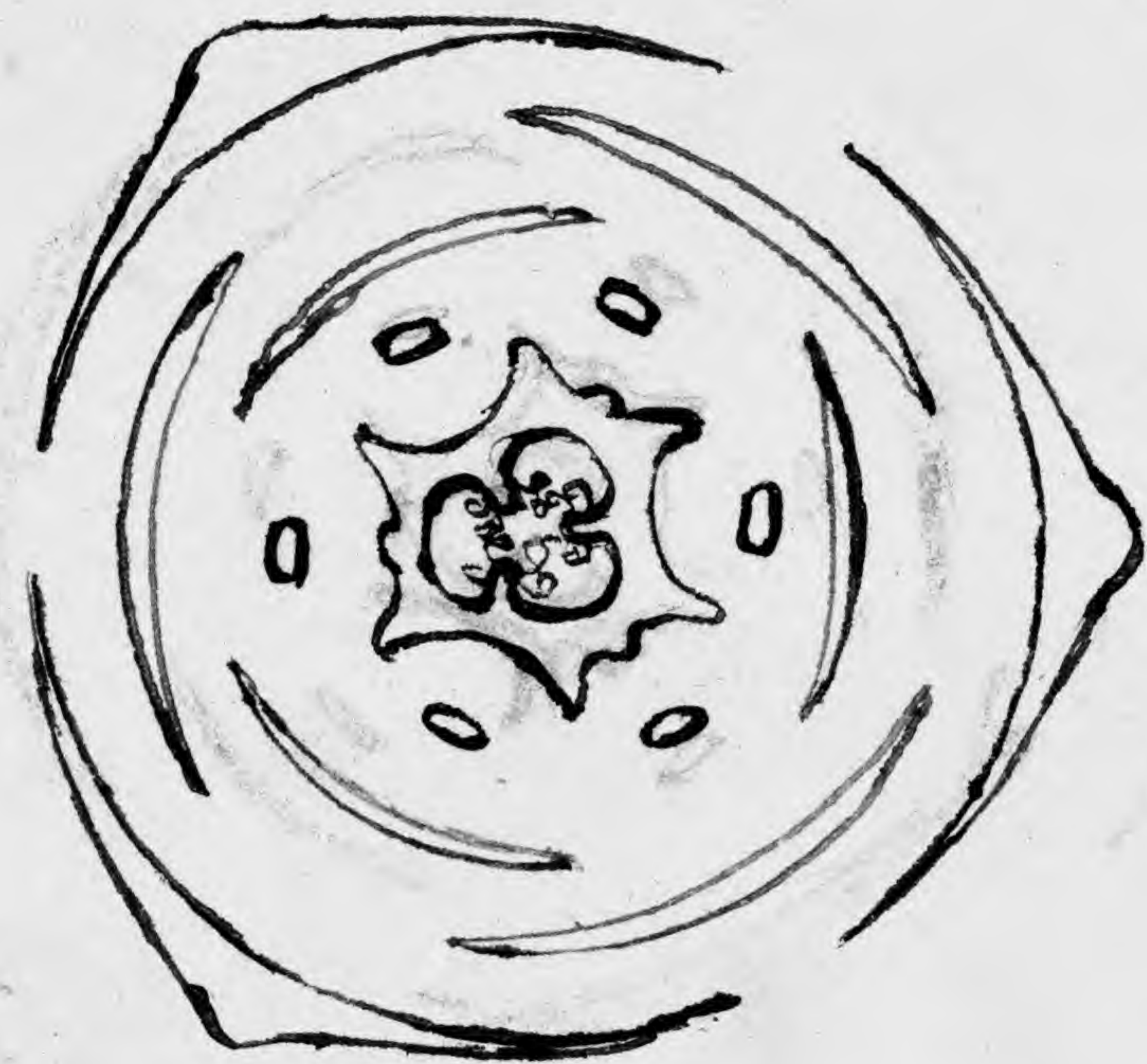
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Trillium viridiflorum

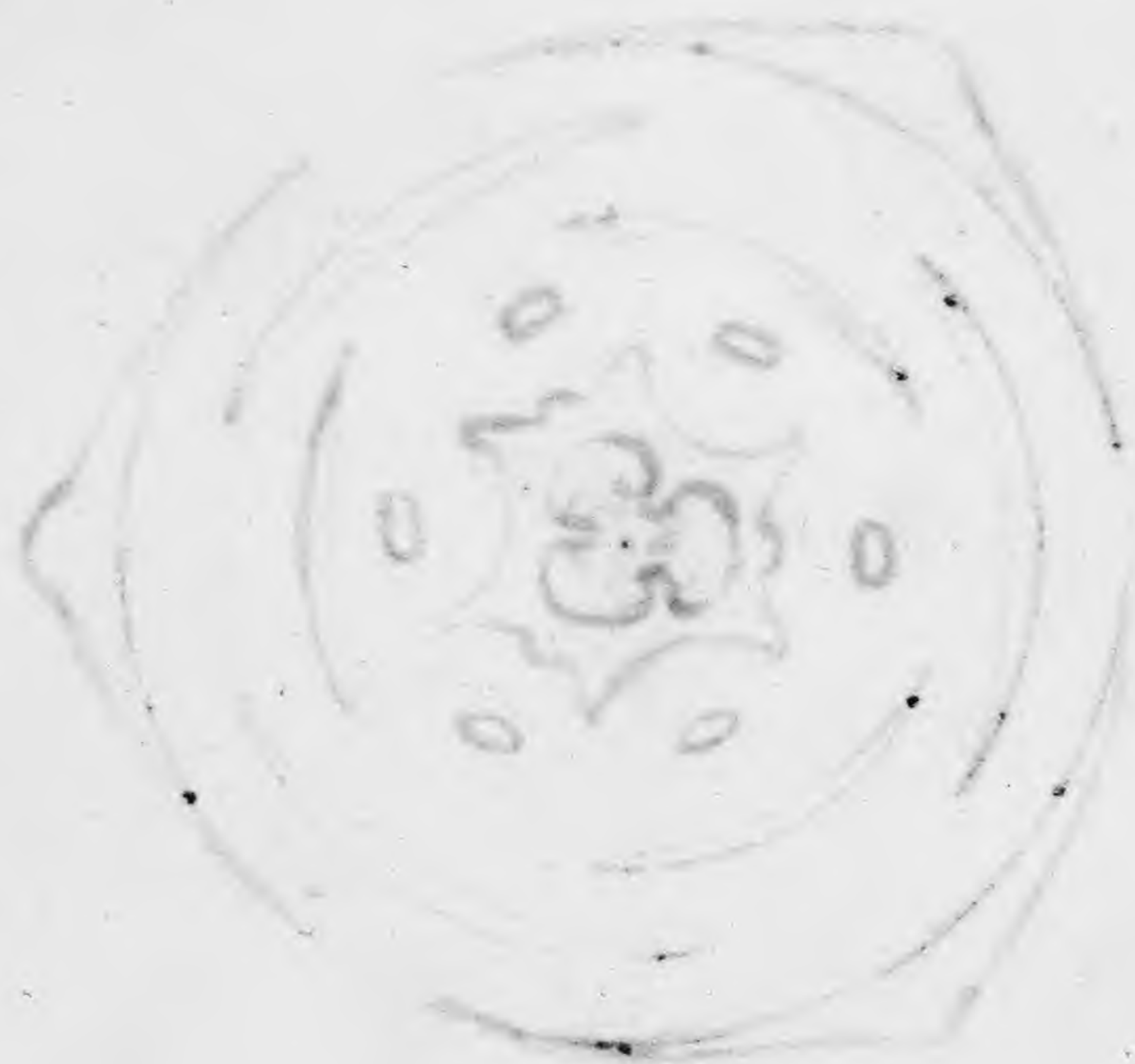
June 1843



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0
cm

1

2

3

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9

10

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^{W. B. H. B.}
= H. B. Hort Bot
Trillium discolor = ~~over~~ *T. sessile*,
but broader leaved etc

In *Jacobin*: in *Brabant*
7-14 June 90



0 1 2 3 4 5 6 7 8 9 10

cm

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Jan 29

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Coniferae

Abietinae

Genera

Samen

~~Anthrop~~

Wollen alle

weisen



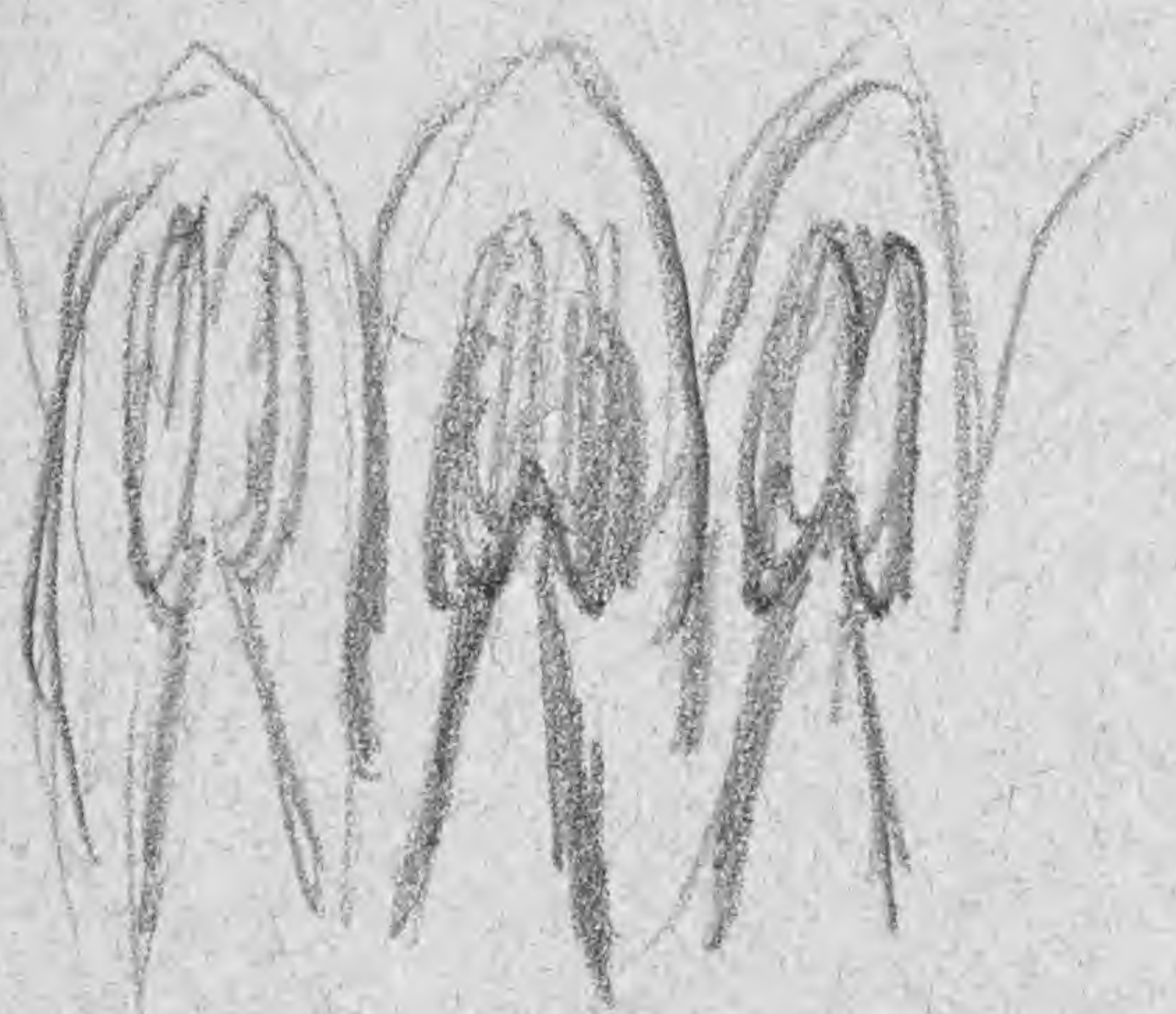
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cm

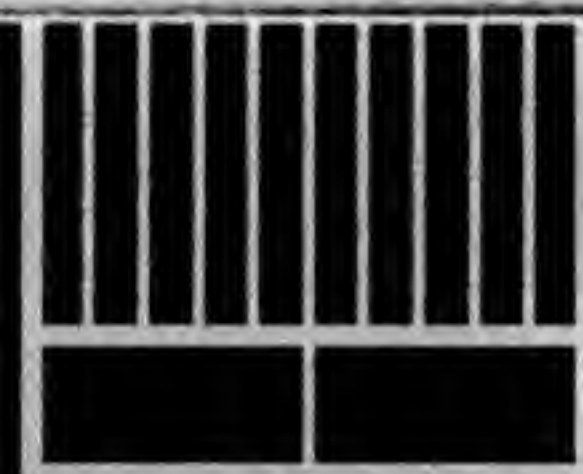
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Hyacinthus fl. albo
communis Gaertn. - Rom
April 1858



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cm

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Y 412

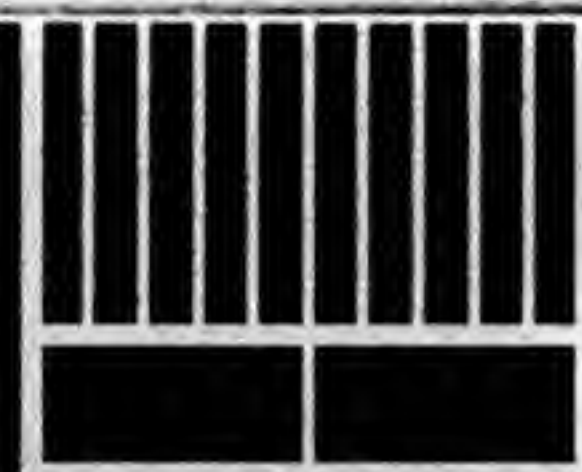
Hyacinth



Pollen dry



*Pollen
in water*



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cm

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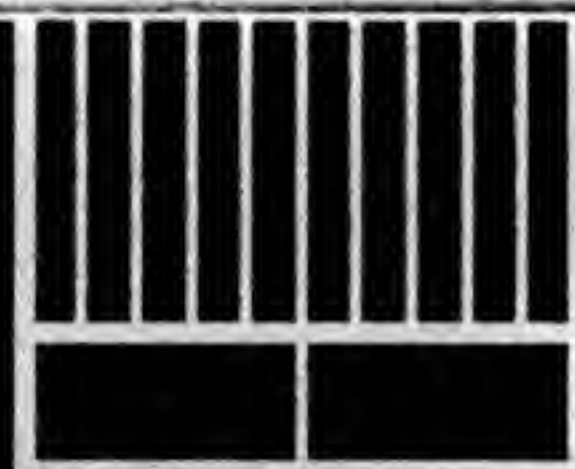
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